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G-000-708.85

NON-TRANSIENT NON-COMMUNITY PWSID: 3136512 ENTRY POINT ID: D01 - NOTICE LETTER FOR POSTING OF ATTACHED REPORT

12/01/95

OEPA DOE-FN
16
NOTICE

E-7364

OhioEPA

FERNALD
LOG J-05460

State of Ohio Environmental Protection Agency

DEC 5 9 59 AM '95

Street Address:
1800 WaterMark Drive
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:
P.O. Box 1049
Columbus, OH 43216-1049

FILE:
LIBRARY

December 01, 1995

Re: HAMILTON County
FERNALD ENV.MGMT.PROJECT
NON-TRANSIENT NON-COMMUNITY
PWSID: 3136512 ENTRY POINT ID: D01

FERNALD ENV.MGMT.PROJECT
US DEPT OF ENERGY
P.O. BOX 398705
P.O.BOX 538705, OH 45239-8705

Dear Owner:

This letter contains important information regarding the attached January 1, 1996 through December 31, 1998 monitoring schedule. You should post the attached schedule in a highly visible location so that you are reminded when to perform the required monitoring. The Ohio EPA Central Office will issue an updated schedule to your system if there are any changes such as monitoring waivers, reductions, etc. The Ohio EPA district office will have a copy of your monitoring schedule to review with you during any on-site visits.

All samples for the required monitoring, except trihalomethanes, should be collected at each entry point into the distribution system. You will receive a separate schedule for each entry point. It is important to supply your laboratory with your system's entry point identification code, as indicated on the schedule, so that the laboratory sample submission report forms may be completed properly. Please contact your Ohio EPA district office if you are uncertain about the location of your system's entry point(s).

While not specifically listed on the schedule, you must also fulfill your coliform monitoring, lead and copper monitoring, and monthly operational reporting requirements. Please call your district office if you have questions concerning these additional monitoring requirements.

The Ohio EPA Central Office will issue synthetic organic chemical (SOC) waivers for alachlor, atrazine, metolachlor, metribuzin, and simazine to those systems that complete their first quarter of monitoring without any detections. The monitoring requirements for the other SOCs may be waived depending on the results of the pesticide usage survey that will be mailed to eligible water systems in the summer of 1996.

If you are monitoring quarterly for volatile organic chemicals (VOCs), a minimum of four consecutive quarters is required before your system may be eligible for a reduction in VOC monitoring.

George V. Voinovich, Governor
Nancy P. Hollister, Lt. Governor
Donald R. Schregardus, Director

In addition to the monitoring schedule, the following information is enclosed: a district map, a maximum contaminant level (MCL) list, and a laboratory list.

If you have any questions concerning the monitoring requirements on your attached schedule, please call one of the following members of the Water Quality Unit by telephoning (614) 644-2752:

Kathy Pinto	MCL Inorganics and Asbestos
Lisa Stanley	Nitrate/Nitrite
Wendy Sheeran	Radiological
Todd Kelleher	Synthetic Organic Chemicals
Kevin Mills	Volatile Organic Chemicals & Trihalomethanes

Questions concerning coliform monitoring or lead and copper monitoring should be directed to your Ohio EPA district office.

Respectfully,

James W. Evans
Enforcement and Water Quality Section
Division of Drinking and Ground Waters

JWE/sn
INFOLTR2.NOV

Attachments: Monitoring Schedule
District Map
MCL List
Laboratory List

cc: District Office, DDAGW
Superintendent/Manager

FERNALD ENV.MGMT.PROJECT

Effective Date: 12/1/95

PWS ID: 3136512 Entry Point: D01

NON-TRANSIENT NON-COMMUNITY

GROUNDWATER

7364

PARAMETERS		1996	1997	1998
MCL INORGANICS	Antimony	NOT REQUIRED	1 Sample Jan 1 to Jun 30	NOT REQUIRED
	Arsenic			
	Barium			
	Beryllium			
	Cadmium			
	Chromium			
	Fluoride			
	Mercury			
	Nickel			
	Selenium			
	Thallium			
MCL INORGANICS	Cyanide	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
ASBESTOS		NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
NITRATE		1 Sample Jan 1 to Jun 30	1 Sample Jan 1 to Jun 30	1 Sample Jan 1 to Jun 30
NITRITE		NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
RADIOLOGICAL	Gross Alpha	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
	Gross Beta			
VOLATILE ORGANIC CHEMICALS (VOC's)		1 Sample Jan 1 to Mar 31	1 Sample Jan 1 to Mar 31	1 Sample Jan 1 to Mar 31
TRIHALOMETHANES (THM's)		NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
SYNTHETIC ORGANIC CHEMICALS (SOC's)	Di (2-Ethylhexyl) Phthalate	1 Sample Jan 1 to Mar 31	1 Sample Jan 1 to Mar 31	1 Sample Jan 1 to Mar 31
SYNTHETIC ORGANIC CHEMICALS (SOC's)	Alachlor	1 Sample quarterly *	1 Sample quarterly *	1 Sample quarterly *
	Atrazine			
	Metolachlor			
	Metribuzin			
	Simazine			
SYNTHETIC ORGANIC CHEMICALS (SOC's)	2,3,7,8-TCDD (Dioxin)	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
	2,4-D			
	3-Hydroxycarbofuran			
	Benzo (A) Pyrene			
	Carbaryl			
	Carbofuran			
	Di (2-Ethylhexyl) Adipate			
	Dicamba			
	Diquat			
	Endothall			
	Glyphosate			
	Lindane			
	Methomyl			
	Methoxychlor			
	Oxamyl (Vydate)			
	Pentachlorophenol			
	Picloram			
	Polychlorinated Biphenyls			
	Propachlor			

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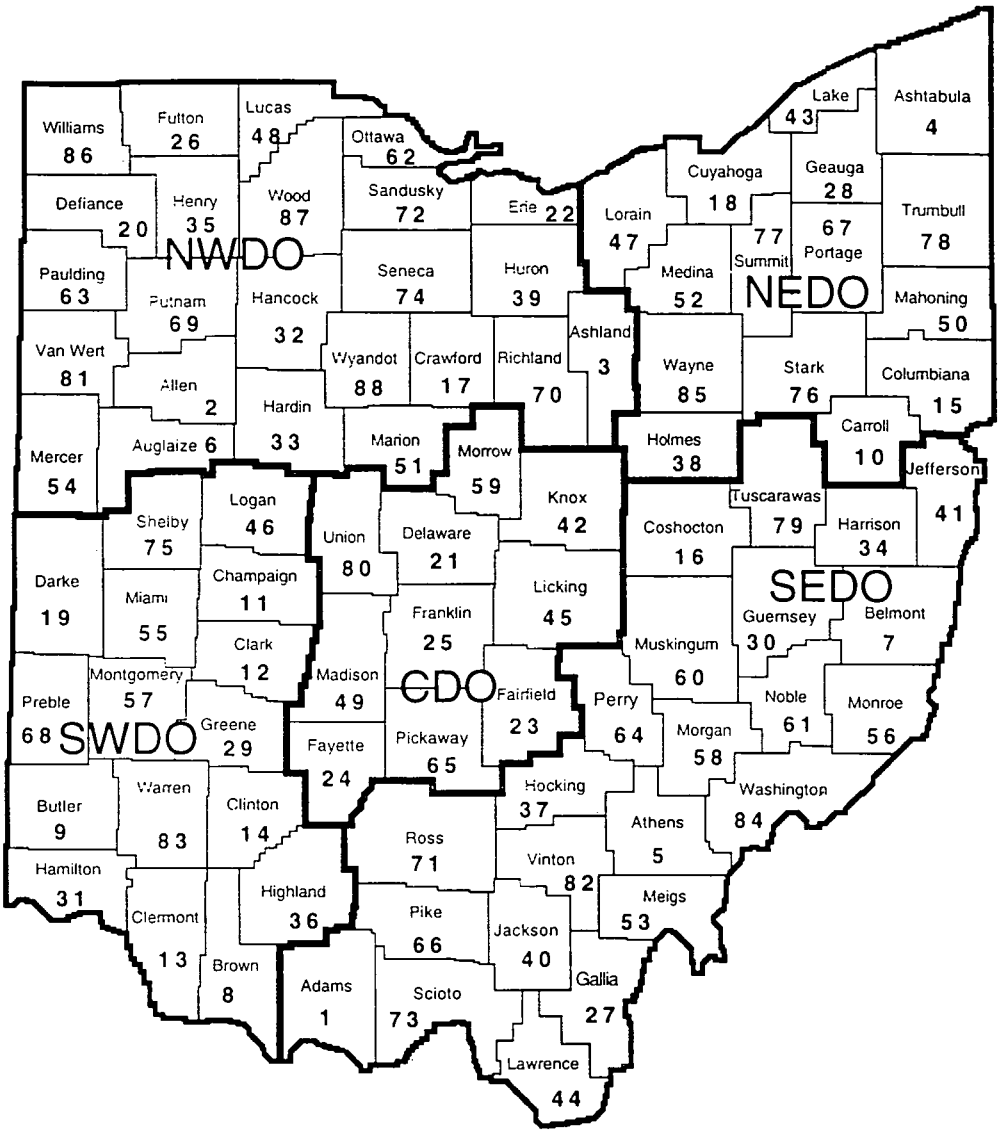
* Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec

** May-Jul, Aug-Oct, Nov-Jan, Feb-Apr

ATTENTION: THIS SCHEDULE DOES NOT INCLUDE ALL MONITORING REQUIREMENTS FOR YOUR SYSTEM.

Additional monitoring for coliform, lead and copper, monthly operating parameters, or others may also be required. Contact your local district office to review additional monitoring requirements not included on this schedule.



OhioEPA

DISTRICT OFFICES

CDO Central District Office ④
3232 Alum Creek Drive
Columbus, Ohio 43207-3417
(614) 728-3778
1-800-728-3797

NEDO Northeast District Office ③
2110 E. Aurora Road
Twinsburg, Ohio 44087
(216) 425-9171
1-800-686-6330

NWDO Northwest District Office ②
347 North Dunbridge Road
Bowling Green, Ohio 43402
(419) 352-8461
1-800-686-6930

SEDO Southeast District Office ⓪
2195 Front Street
Logan, Ohio 43138
(614) 385-8501
1-800-686-7330

SWDO Southwest District Office ①
401 East Fifth Street
Dayton, Ohio 45402-2911
(513) 285-6357
1-800-686-8930

PUBLIC DRINKING WATER STANDARDS FOR OHIO

I. MAXIMUM CONTAMINANT LEVEL (MCL)[1]
Standards for Ohio Public Water Supplies
Effective: September 13, 1993

CHEMICAL STANDARDS

INORGANIC	MCL (mg/l)
Antimony	0.006
Arsenic	0.05
Asbestos	7 million fibers/liter (longer than 10 um)
Barium	2
Beryllium	0.004
Cadmium	0.005
Chromium	0.1
Cyanide	0.2
Fluoride	4.0
Mercury	0.002
Nickel	0.1
Nitrate (as N)	10
Nitrate-Nitrite (as N)	10
Nitrite (as N)	1
Selenium	0.05
Thallium	0.002
PESTICIDES AND OTHER ORGANIC CHEMICALS (SOCs)	MCL (mg/l)
Alachlor	0.002
Aldicarb	0.007 (proposed)
Aldicarb sulfone	0.007 (proposed)
Aldicarb sulfoxide	0.007 (proposed)
Atrazine	0.003
Benzo-a-pyrenes	0.0002
Carbofuran	0.04
Chlordane	0.002
2,4-D	0.07
Dalapon	0.2
Di(2-ethylhexyl)adipate	0.4
Di(2-ethylhexyl)phthalate	0.006
Dibromochloropropane (DBCP)	0.0002
Dinoseb	0.007
Diquat	0.02
Endothall	0.1
Endrin	0.002
Ethylene dibromide (EDB)	0.00005
Glyphosate	0.7
Heptachlor	0.0004
Heptachlor epoxide	0.0002

Hexachlorobenzene	0.001
Hexachlorocyclopentadiene	0.05
Lindane	0.0002
Methoxychlor	0.04
Oxamyl (Vydate)	0.2
Pentachlorophenol	0.001
Picloram	0.5
Polychlorinated Biphenyls (PCB's)	0.0005
Simazine	0.004
2,3,7,8-TCDD (Dioxin)	$3x10^{-8}$
2,4,5-TP(Silvex)	0.05
Toxaphene	0.003
TRIHALOMETHANES (THMs)	MCL (mg/l)
Total trihalomethanes: The sum of the concentrations of Bromodichloromethane, Dibromochloromethane, Bromoform, and Chloroform	0.10
VOLATILE ORGANIC CHEMICALS (VOCs)	MCL (mg/l)
Benzene	0.005
Carbon tetrachloride	0.005
cis-1,2-Dichloroethylene	0.07
Dichloromethane	0.005
1,1-Dichloroethylene	0.007
1,2-Dichloroethane	0.005
1,2-Dichloropropane	0.005
Ethylbenzene	0.7
Monochlorobenzene	0.1
o-Dichlorobenzene	0.6
para-Dichlorobenzene	0.075
Styrene	0.1
Tetrachloroethylene	0.005
Toluene	1.
trans-1,2-Dichloroethylene	0.1
Trichloroethylene	0.005
1,1,1-Trichloroethane	0.2
1,2,4-Trichlorobenzene	0.07
1,1,2-Trichloroethane	0.005
Vinyl Chloride	0.002
Xylenes (total)	10.
RADIOLOGICAL	MCL (pCi/l)
Beta particle	50
Combined Radium 226 and Radium 228	5
Gross Alpha particle activity (including Radium 226 but excluding Radon and Uranium)	15
Strontium 90	8
Tritium	20,000

MICROBIOLOGY (Total Coliform)	MCL Coliform Results (compliance)
1. Public water supplies with at least 40 samples/month	>5% coliform positive/month
2. Public water supplies with fewer than 40 samples/month	>1 coliform sample positive/month
	COLIFORM RESULTS (non-compliance)
3. Public water supplies with any positive repeat samples	Coliform violation
4. Public water supplies failing to monitor for repeat samples	Coliform violation
TURBIDITY	MCL in Turbidity Units
1. Monthly Average for Conventional Filtration	shall be less than or equal to 0.5 NTU in at least 95% of samples
2. Monthly Average for Slow Sand Filtration	shall be less than or equal to 1 NTU in at least 95% of samples
3. Conventional and Slow Sand Filtration	shall not exceed 5 NTU

II. SECONDARY MAXIMUM CONTAMINANT LEVEL (SMCL)[2]
Standards for Ohio Public Water Supplies
Effective: Sepember 13, 1993

PARAMETER	SMCL
1. Aluminum	0.05 to 0.2 mg/l
2. Chloride	250 mg/l
3. Color	15 color units
4. Corrosivity	non-corrosive
5. Fluoride	2.0 mg/l
6. Iron	0.3 mg/l
7. Manganese	0.05 mg/l
8. Odor	3 threshold odor number
9. pH	7.0-10.5
10. Silver	0.1 mg/l
11. Sulfates	250 mg/l
12. Total Dissolved Solids (TDS)	500 mg/l
13. Zinc	5 mg/l
14. Foaming Agents	0.5 mg/l

III. LEAD AND COPPER ACTION LEVELS[1]
Standards for Ohio Public Water Supplies
Effective: September 13, 1993

1. Lead	action level is exceeded if lead greater than 0.015 mg/l is detected in more than 10 percent of tap samples in a compliance period
2. Copper	action level is exceeded if copper greater than 1.3 mg/l is detected in more than 10 percent of tap samples in a compliance period

Revision Date: **September 22, 1994**

[1]Section 3745-81; Ohio Administrative Code (OAC), September 13, 1993.

[2]Section 3745-82; Ohio Administrative Code (OAC), September 13, 1993.

OHIO EPA-DIVISION OF DRINKING AND GROUND WATERS

COMMERCIAL LABORATORIES AUTHORIZED TO PERFORM CHEMICAL ANALYSES ON PUBLIC DRINKING WATER

October 1995

NOTE: THE NAMES OF THE CHEMICALS INCLUDED IN THE MCL INORGANICS ARE LISTED AT THE BOTTOM OF PAGE 2. A BOX MARKED WITH AN X INDICATES A LABORATORY CAN ANALYZE FOR THOSE LISTED CHEMICALS. PLEASE CHECK WITH THE LABORATORY AS TO THEIR MOST CURRENT TESTING STATUS.

LABORATORY	MCL Inorganics	Asbestos	Nitrate	Nitrite	Radiological	Volatile Organics	Trihalomethanes
ADCON ANALYTICAL SERVICES AKRON, OH (216) 773-9161						X	X
ADVANCED ANALYTICS LABS COLUMBUS, OH (614) 299-9922						X	X
ALLOWAY TESTING, INC. LIMA, OH (419) 223-1362			X	X			
AMERICAN ANALYTICAL LABS AKRON, OH (216) 535-1300			X	X		X	X
AMERITEST & RESEARCH CO, INC. BEDFORD HEIGHTS, OH (216) 786-1403				X			
ATEL, INC. MARION, OH 1-800-783-5991	X		X	X			
ATEL, INC. MELMORE, OH 1-800-858-8869						X	X
BELMONTE PARK LABS DAYTON, OH (513) 837-3744	X		X	X			
B.E.C. LABS TOLEDO, OH (419) 693-5307						X	X
BOWSER-MORNER TESTING LABS DAYTON, OH (513) 236-8805			X	X			
BROOKSIDE LABS, INC. NEW KNOXVILLE, OH (419) 753-2448	X		X	X			
BURGESS & NIPLE LIMITED COLUMBUS, OH (614) 459-2050	X		X	X		X	X
CTL ENGINEERING, INC. COLUMBUS, OH (614) 276-8123	X		X	X			
COSHOCTON ENVIRONMENTAL LAB COSHOCTON, OH (614) 622-3328			X	X		X	X
DATA CHEM LABORATORY CINCINNATI, OH (513) 733-5336		X				X	X
DLZ LABORATORIES, INC. COLUMBUS, OH (614) 848-4333			X			X	
DIVERSEY WATER TECHNOLOGIES, INC. CHAGRIN FALLS, OH (216) 247-5000	X		X	X			

LABORATORY	MCL Inorganics	Asbestos	Nitrate	Nitrite	Radiological	Volatile Organics	Trihalomethanes
ELECTRO-ANALYTICAL LABS MENTOR, OH (216) 951-3514	X		X	X		X	X
ENVIRONMENTAL CHEMICAL CORP. CINCINNATI, OH (513) 752-2950			X			X	X
ENVIRONMENTAL ENTERPRISES CINCINNATI, OH (513) 772-2818	X		X	X	X	X	X
FORE TESTING LABS, INC. MIAMISBURG, OH (513) 866-5908	X	X	X	X			
GELLES LABORATORIES, INC. COLUMBUS, OH (614) 276-2957		X					
GEO ANALYTICAL, INC. TWINSBURG, OH (216) 963-6990						X	X
HEIDELBERG COLLEGE TIFFIN, OH (419) 448-2199			X	X			
JONES & HENRY LABS. NORTHWOOD, OH (419) 666-0411	X		X	X		X	X
KEMRON ENVIRONMENTAL SERVICE MARIETTA, OH (614) 373-4071			X			X	X
MASI LABORATORY DUBLIN, OH (614) 873-4654	X		X	X			
N.E.T. MIDWEST-DAYTON DIVISION DAYTON, OH (513) 294-6856	X		X	X	X	X	X
OHIO DEPARTMENT OF HEALTH COLUMBUS, OH (614) 466-2278	X		X	X	X	X	X
QUANTERRA, INC. NORTH CANTON, OH (216) 497-9396	X		X	X		X	X
TCCI LABS, INC. NEW LEXINGTON, OH (614) 342-1110			X	X			
TOLTEST, INC. TOLEDO, OH (419) 241-7175			X				
TRANS-ENVIRO, INC. WARRENSVILLE HEIGHTS, OH (216) 663-0808	X		X	X		X	X
TRI-STATE LABS, INC. YOUNGSTOWN, OH (216) 797-8844			X	X			
ZANDE ENVIRONMENTAL SERVICES COLUMBUS, OH (614) 486-4383	X		X	X			X

MCL Inorganics: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cyanide, Fluoride, Mercury, Nickel, Selenium, Thallium

Effective Date: 10/18/95

OHIO EPA-DIVISION OF DRINKING AND GROUND WATERS
COMMERCIAL LABORATORIES AUTHORIZED TO PERFORM PESTICIDES AND OTHER SYNTHETIC ORGANIC CHEMICAL (SOC) ANALYSES ON PUBLIC DRINKING WATER
October 1995

NOTE: THE CHEMICALS IN EACH GROUP ARE LISTED BELOW. A BOX MARKED WITH AN X INDICATES A LABORATORY CAN ANALYZE FOR THE CHEMICALS. PLEASE CHECK WITH THE LABORATORY AS TO THEIR MOST CURRENT TESTING STATUS.

LABORATORY	AAMMS	Ad/Ph	BAP	CCHMO	DDPP	Diquat	Dioxin	Endoth.	Glypho.	Ln/Mx	PCBs	Propach.
ADVANCED ANALYTICS LABS COLUMBUS, OH (614) 299-9922	X	X	X									X
ALTA ANALYTICAL LABS ELDORADO HILLS, CA (916) 933-1640							X					
AMERICAN ANALYTICAL LABS AKRON, OH (216) 535-1300	X	X	X		X					X		X
ATEL, INC. MELMORE, OH 1-800-858-8869	X	X	X	X	X	X		X	X	X	X	X
BURGESS & NIPLE LIMITED COLUMBUS, OH (614) 459-2050	X	X	X		X							X
ENVIRONMENTAL CHEMICAL CORP. CINCINNATI, OH (513) 752-2950										X		
ENVIRONMENTAL ENTERPRISES CINCINNATI, OH (513) 772-2818	X	X	X	X	X	X		X	X	X	X	X
KEMRON ENVIRONMENTAL SERVICE MARIETTA, OH (614) 373-4071		X			X							
MAXIMUM TECHNOLOGIES, INC. SAINT PAUL, MN (612) 645-3601							X					
N.E.T. MIDWEST-DAYTON DIVISION DAYTON, OH (513) 294-6856				X	X				X	X	X	
OHIO DEPARTMENT OF HEALTH COLUMBUS, OH (614) 466-2278	X	X	X	X	X	X		X	X	X	X	X
PACE LAB, INC. INDIANAPOLIS, IN (317) 875-5894							X					
TRIANGLE LABORATORIES RESEARCH TRIANGLE PARK, NC (919) 544-8355							X					

AAMMS: Alachlor, Atrazine, Metolachlor, Metribuzin, Simazine
Ad/Ph: Di(2-Ethylhexyl)Adipate, Di(2-Ethylhexyl)Phthalate
BAP: Benzo-A-Pyrene
CCHMO: Carbaryl, Carbofuran, 3-Hydroxycarbofuran, Methomyl, Oxamyl
DDPP: Dicamba, 2,4-D, Picloram, Pentachlorophenol

Endoth: Endothall
Glypho: Glyphosate
Ln/Mx: Lindane, Methoxychlor
Propach: Propachlor

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Effective Date: 10/18/95